



Bethune College



Green Initiatives and Waste Management

Prepared by

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GREEN INITIATIVES UNDERTAKEN BY THE COLLEGE

- i. Systematic execution of green environment initiatives for maintenance of biodiversity and pollution free environment within the campus
- ii. The green cover of the campus is well maintained by gardener, departmental teachers and students along with a documented Medicinal Plant Garden
- iii. Tree Plantation Programme 'Banomahotsav' is observed on 12th August every year
- iv. World Environment Day is commemorated by generating awareness among students
- v. Planting of trees are an integral part of Independence Day and Republic Day Celebrations. During the lockdown period students were encouraged to undertake plantation as an extension approach. Positive response was received from students of all departments. After reopening of college, some students willingly donated these plants to the college campus which were planted in the medicinal garden by members of the Science Club.
- vi. As several trees were damaged during the cyclone Amphun, care has been taken to restore the green cover as far as possible
- vii. Dignitaries gracing college functions are felicitated with saplings in small pots
- viii. Campus cleanliness drive organized by NSS is undertaken diligently by students
- ix. Preparation of organic manures and vermicomposting of organic domestic and canteen wastes is done by NSS. These fertilizers are regularly used for the medicinal garden soil enrichment
- x. Demarcating 'No plastic zone' and strict abidance to the same
- xi. Use of Renewable Energy: Keeping in mind the benefits of solar energy to minimize the consumption of electricity which is produced by converting the Suns radiation –Bethune College has installed a Solar PV Plant on 10.9. 2012. The said plant is located on the rooftop of the Vidyasagar Bhawan. The approximate capacity of the plant is 7Kwp costing Rs. 14.2 lakhs. This has been funded by the CPE (College with Potential for Excellence) grant
- xii. Use of LED lights in the buildings contributes to lesser power consumption
- xiii. Student members of Environmental Club of the Student Activity Cell work relentlessly towards campus maintenance and beautification. Team of teachers in the Physical Maintenance as well as Campus Beautification committee also strives towards the same.

- xiv. Preparation of organic sanitizers by Department of Chemistry during pandemic
- xv. Effective digital communication through college website leading to less consumption of papers
- xvi. Spreading awareness against Dengue and Malaria

Documentation of Biodiversity for PEOPLES' BIODIVERSITY REGISTER under the initiative of West Bengal Biodiversity Board (WBBB) was done by faculty and UG and PG students of Department of Botany and Department of Zoology in 2020.

<http://www.bethunecollege.ac.in/distinctiveness/BestPratice-II-PBR-KMC-WardNo26-BethuneCollege-Mar2020.pdf>

- xvii. Students' submit project on different aspects of environment as a part of UG Semester II, AECC curriculum.
- xviii. College has conducted Environmental Awareness programmes and seminars for faculty and students. Lectures delivered for environmental sensitization as a part of the 30hours Value and ethics course includes - Environmental Ethics and Sustainability: Issues and Global Perspectives and Bio-Ethics.
- xix. Dustbins are placed at every corner and all are directed towards proper use. Maintaining proper protocol for the disposal of all different categories of solid wastes such as biodegradable, non-biodegradable, e-wastes and hazardous wastes are done. Care is taken to ensure that hazardous waste of Chemistry Department do not mix with the general waste of College.
- xx. Students, teaching and non-teaching staff members are advised to use recyclable materials for storing their food, water etc., to reduce the wastes
- xxi. Use of Public Transport is encouraged amongst students and Staff to reduce air pollution.
- xxii. Efforts for Carbon neutrality: The greenery in the College campus effectively neutralizes the harmful carbon dioxide. Utmost care is taken to maintain the lush green environment.
- xxiii. The underground basement area of the Administrative building has been used for junk disposal particularly non-functional instruments. This ensures campus cleanliness.
- xxiv. Regular AMC of instruments ensures proper energy utilization and minimizes usage hazards.